

INDIANA DEPARTMENT
OF
HOMELAND SECURITY

FIRE INSPECTOR 2
SAMPLE TEST

1. Dry chemical fixed fire extinguishing systems **are not** recommended for use on:
 - A. flammable liquids.
 - B. flammable gases.
 - C. delicate electronic equipment.
 - D. paper storage.
2. The classification given to a particular building based on the materials and methods used to construct and the ability of those materials to resist the effects of a fire situation is the _____ classification.
 - A. construction
 - B. occupancy
 - C. flame spread
 - D. fire hazard
3. The first step to take when calculating occupant load for a nightclub is to:
 - A. consult the requirements of the local code.
 - B. determine the square footage of the floor area.
 - C. divide the net floor area into the total square footage.
 - D. determine the number of exits and the width of each.
4. Smoke-proof enclosures are stairways that are designed to limit the penetration of:
 - A. smoke.
 - B. heat.
 - C. toxic gases.
 - D. All of the above
5. When determining the occupant load for a multi-use building, the fire inspector should determine the occupant load based on:
 - A. the occupancy that has the greatest risk factor.
 - B. the occupancy that has the least number of persons.
 - C. the occupancy that has the greatest number of persons.
 - D. the total area of the building regardless of occupancy.
6. An identification system that can be implemented in an area where hazardous materials are regularly stored and used is the:
 - A. United Nations numbering system.
 - B. North American Emergency Response Guide.
 - C. NFPA 704 system.
 - D. Material Safety Data Sheets.

7. The smallest of the mains in a water distribution system that serve the individual fire hydrants and blocks of consumers are called:
- A. indicating feeders.
 - B. secondary feeders.
 - C. primary feeders.
 - D. distributors.
8. When computing available fire flow in a specific area, the required residual pressure is _____ psi.
- A. 5
 - B. 10
 - C. 15
 - D. 20
9. When reviewing architectural plans, which one of the items below would you **not** expect to see in working drawings?
- A. Elevated view
 - B. Detailed view
 - C. Lateral view
 - D. Plan view
10. During the plan review process, a good relationship should be maintained between the fire inspector and:
- A. government regulatory agencies.
 - B. police agencies.
 - C. contractors.
 - D. Both A and C
11. A chemical designed to retard ignition or the spread of fire when it is applied to material or another substance is defined as a:
- A. fire proofer.
 - B. flame arrester.
 - C. fire rating.
 - D. fire retardant.
12. When investigating a complaint, the fire inspector:
- A. is not required to give the owner advance notice.
 - B. should call the owner and set an appointment.
 - C. should be accompanied by the complainant.
 - D. should be accompanied by the police.

13. The upright-type of sprinkler head:
- A. may only be used in a wet-pipe configuration.
 - B. protrudes downward from the exposed pipe.
 - C. cannot be inverted for use in the pendant-type sprinkler head.
 - D. can be installed in a side wall application.
14. In doing a plan review, which NFPA standard which would apply to the installation of an air conditioning and ventilating system?
- A. NFPA 89
 - B. NFPA 96
 - C. NFPA 90A
 - D. NFPA 97
15. Buildings are classified by _____ according to the type of occupancy or intended end use.
- A. NFPA 1710
 - B. NFPA 101, Life Safety Code
 - C. NFPA 10, Fire Prevention Code
 - D. ISO Insurance Services Office Code
16. Which fire resistance rating **is not** a standard time rating?
- A. 5 hours
 - B. 1 hour
 - C. 45 minutes
 - D. 4 hours
17. **Directions:** (*Caution—this is a two-step question worth 3 points.*) Select the words from the list provided below to complete the following statement. Place the numbers representing your answers in the blanks. **Then**, select the answer matching yours from alternatives A-D.
- Loading and unloading stations for Class I liquids should be located no closer than _____ feet from storage tanks, property lines, or adjacent buildings. Loading and unloading stations for Class II and Class III liquids should be located no closer than _____ feet from storage tanks, property lines, or adjacent buildings.
- A. 25, 15
 - B. 50, 15
 - C. 50, 25
 - D. 15, 10

18. Which of the following are types of fixed fire extinguishing systems?

- A. Automatic sprinkler systems, foam systems, carbon dioxide systems, halogenated agent systems, and chemical systems
- B. Automatic sprinkler systems, factory mutual systems, and U.L. listed systems
- C. Wet sprinkler systems, dry sprinkler systems, deluge systems, Fire Mutual systems, and hazardous substance systems
- D. Water sprinkler systems, air sprinkler systems, flooding sprinkler systems, and chemical sprinkler systems

19. **Directions:** (*Caution—this is a two-step question worth 5 points.*) Select the words from the list provided below to complete the following statements regarding exit illumination requirements. Place the numbers representing your answers in the blanks. **Then**, select the answer matching yours from A-D:

When illumination is required, it must be continuous during occupancy and must be a minimum of _____ foot candle measured at the _____ .

A reduction to _____ foot candle is permitted in auditoriums, theaters, concert halls, and other places of assembly during _____.

Emergency lighting is required to provide a minimum of _____ measured at the floor when normal lighting is _____.

- | | |
|-----------------|------------------|
| 1. floor | 5. one |
| 2. interrupted | 6. 1 foot candle |
| 3. one-fifth | 7. day time |
| 4. performances | 8. ceiling |

- A. 5, 1, 3, 4, 6, 2
- B. 3, 8, 5, 4, 6, 2
- C. 5, 8, 4, 3, 2, 6
- D. 3, 1, 5, 4, 6, 2

20. **Directions:** (*Caution - this is a two-step question worth 5 points.*)

The following steps for evacuating a single room in a nursing home are disarranged.

First, number the steps 1 to 6 in the blanks beside each showing the order in which they should be performed. **Note** : There is one more step in the procedure than required.

Place an X in the blank next to the non-procedural step. **Then**, select the matched answer from alternatives A-D below:

_____ Ensure that the room door is closed.

_____ Call the Fire Department.

_____ Try to extinguish or control the fire.

_____ Report to incident commander.

_____ Activate the fire alarm.

_____ Remove those in immediate danger.

A. 2, 5, 4, X, 3, 1

B. 4, X, 5, 1, 3, 2

C. 4, 2, X, 5, 3, 1

D. 2, 4, 5, X, 3, 1

REFERENCE LIST FOR FIRE INSPECTOR II - 6.0

<u>Publisher, Title, Edition</u>	<u>Reference Code</u>
1. IFSTA, Fire Inspection and Code Enforcement, 6th Edition	FICE 6
2. Delmar, Fire Prevention, Inspection, and Code Enforcement, 2nd Edition	FPICE
3. NFPA 1031 Fire Inspector Professional Qualifications, 2003	NFPA